ABSTRACT OF THE DISCLOSURE

A plurality of linear sensors (20Xa, 20Xb, 20Ya, 20Yb) sense a beam spot and the results of sensing the

5   beam spot are corrected. The corrected items of data are concatenated and coordinates corresponding to the beam spot are calculated by a coordinate calculation unit (32) based upon the concatenated data. Light-receptive areas of the linear sensors (20Xa, 20Xb, 20Ya,

10   20Yb) have mutually overlapping portions.